

APPLICANT(S): MENCHIK, Guy et al.

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AMENDMENTS TO THE CLAIMS

Please add or amend the claims to read as follows, and cancel without prejudice or disclaimer to resubmission in a divisional or continuation application claims indicated as cancelled:

1.-39. (Cancelled)

40. (Currently Amended) A three-dimensional printing system to print a three-dimensional object, comprising:

~~a printing apparatus to print three-dimensional objects, wherein said printing apparatus comprises:~~

one or more [[a]] printing head heads;

two or more cartridges a-cartridge apparatus to provide modeling material building materials to print said three-dimensional object;

two or more sensors a-sensor to determine the status of modeling building materials material in said cartridges at cartridge apparatus; and

~~a controller to control said printing apparatus, to receive data from said sensors sensor, and to control switching of building material supply sources from one cartridge apparatus to another.~~

41. (Currently Amended) The system of claim 40, wherein each of said sensors is associated with a respectiver one of said cartridges sensors comprises also part of said cartridge apparatus.

42. (Currently Amended) The system of claim 40, wherein the sensor is a sensors are mass sensors sensor.

43. (Currently Amended) The system of claim 40, wherein said two or more cartridges cartridge apparatus comprises are arranged as part of a cartridge array.

44. (Currently Amended) The system of claim 40, wherein said cartridges comprise cartridge apparatus comprises a cartridge casing, said casing including a memory device reader.

45. (Currently Amended) The system of claim 40, wherein at least one of said cartridges cartridge apparatus comprises is coupled to a memory device to record data relating to modeling building material in [[a]] the cartridge.

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46. (Currently Amended) The system of claim 40, wherein at least one of said cartridges cartridge apparatus comprises a bag to store said ~~modeling~~ building material.

47. (Currently Amended) The system of claim 40, wherein said printing apparatus includes further comprising a valve matrix coupled connecting ~~said printing apparatus to said~~ two or more cartridges cartridge apparatus, to control supply of ~~modeling~~ building materials from said cartridges cartridge apparatus to said printing apparatus heads.

48. (Currently Amended) The system of claim 47, wherein said valve matrix includes an outgoing tube for each type of building material required by said printing apparatus heads.

49. (Currently Amended) The apparatus system of claim 47, wherein upon lowering of the level of said building material in any one cartridge in said array of said two or more cartridges to a pre-determined amount, said valve matrix is adapted to automatically switch material sources.

50. (Currently Amended) The system of claim 40, wherein said controller is to calculate material parameters from building materials in one or more of said cartridges cartridge apparatuses, based on data of ~~modeling~~ building material in said cartridges cartridge apparatus.

51. (Previously Presented) The system of claim 40, further comprising a source of electromagnetic radiation.

52. (Currently Amended) The system of claim 51, wherein the source of electromagnetic radiation is disposed within one of said cartridges cartridge apparatus.

53. (Currently Amended) The system of claim 40, further comprising a curing unit adapted to cure three-dimensional printing remnant building material within one of said cartridges cartridge apparatus using electromagnetic radiation.

54. (Currently Amended) The system of claim 46 [[40]], wherein said bag printing apparatus is to inflate a cartridge bag inflatable and to enable curing of remnant building cure material within a cartridge apparatus.

55. (Currently Amended) A printing method, comprising:

measuring data on the status of three-dimensional building modeling material for three-dimensional printing in two or more cartridges a modeling material source;

determining parameters of said modeling building material; and

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controlling a supply of said modeling building material from two or more said material sources any of said cartridges to one or more printing heads according to said parameters.

56. (Previously Presented) The method of claim 55, wherein said controlling of material supply is enabled by controlling a valve matrix.

57. (Previously Presented) The method of claim 55, further comprising sending an alert to an operator.

58. (Currently Amended) The method of claim 55, wherein measuring material status includes measuring the mass of said modeling building material in said cartridges a printing cartridge.

59. (Currently Amended) The method of claim 55, comprising computing an amount of modeling building material required to print an object.

60. (Currently Amended) The method of claim 55, comprising computing an amount of time remaining before one of said a printing cartridges cartridge requires replacement.

61. (Currently Amended) The method of claim 55, comprising alerting an operator if one of said a printing cartridges cartridge requires replacement.

62. (Currently Amended) The method of claim 55, comprising automatically switching supply sources for said modeling building material if one of said a printing cartridges cartridge requires replacement.

63. (Currently Amended) [[A]] The method of claim 55 comprising:

generating electromagnetic radiation;

channeling said electromagnetic radiation into one of said a printing cartridges cartridge;

curing three-dimensional modeling to cure remnant building material contained within said cartridge; and

controlling said generating, channeling and curing from a three-dimensional printer.

64. (Currently Amended) The method of claim 63 24, comprising inflating a cartridge bag to enable said electromagnetic radiation to reach substantially all parts of said cartridge bag.